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1 [Integrating value-based requirement engineering models to webml using vip](#)
[business modeling framework](#)



Farooque Azam, Zhang Li, Rashid Ahmad

May WWW '07: Proceedings of the 16th international conference on World Wide Web 2007

Publisher: ACM

Full text available: [pdf\(1.43 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 300, Citation Count: 0

Requirement engineering (RE) is emerging as an increasingly important discipline for supporting Web application development, as these are designed to satisfy diverse stakeholder needs, additional functional, information, multimedia and usability requirements ...

Keywords: VIP, WebML, business information model, business process model, business value model

2 Native XML support in DB2 universal database

Matthias Nicola, Bert van der Linden

August 2005 VLDB '05: Proceedings of the 31st international conference on Very large data bases

Publisher: VLDB Endowment

Full text available:  [pdf\(240.25 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index](#)

[terms](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 150, Citation Count: 9

The major relational database systems have been providing XML support for several years, predominantly by mapping XML to existing concepts such as LOBs or (object-) relational tables. The limitations of these approaches are well known in research and ...


3 Concepts and models for typing events for event-based systems



Szabolcs Rozsnyai, Josef Schiefer, Alexander Schatten

June 2007 DEBS '07: Proceedings of the 2007 inaugural international conference on Distributed event-based systems

Publisher: ACM

Full text available:  [pdf\(628.75 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 298, Citation Count: 0

Event-based systems are increasingly gaining widespread attention for applications that require integration with loosely coupled and distributed systems for time-critical business solutions. In this paper, we show concepts and models for representing, ...

Keywords: complex event processing, event model, event stream processing, service oriented architecture


4 Charles W. Bachman interview: September 25-26, 2004; Tucson, Arizona



Thomas Haigh

January 2006 ACM Oral History interviews

Publisher: ACM

Full text available:  [pdf\(974.87 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 85, Downloads (12 Months): 456, Citation Count: 0

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high school in East Lansing, Michigan before joining the Army Anti Aircraft Artillery Corp, with which he spent two years in the Southwest Pacific Theater, during ...

5 Model-driven design and deployment of service-enabled web applications



Ioana Manolescu, Marco Brambilla, Stefano Ceri, Sara Comai, Piero Fraternali
August 2005 ACM Transactions on Internet Technology (TOIT), Volume 5 Issue 3

Publisher: ACM

Full text available: [pdf\(3.07 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 67, Downloads (12 Months): 447, Citation Count: 8

Significant effort is currently invested in application integration, enabling business processes of different companies to interact and form complex multiparty processes. Web service standards, based on WSDL (Web Service Definition Language), have been ...

Keywords: UML, Web application, Web services, WebML, modeling

6 .NET database programmability and extensibility in microsoft SQL server



José A. Blakeley, Vineet Rao, Isaac Kunen, Adam Prout, Mat Henaire, Christian Kleinerman
June 2008 SIGMOD '08: Proceedings of the 2008 ACM SIGMOD international conference on Management of data

Publisher: ACM

Full text available: [pdf\(560.79 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 28, Citation Count: 0

The integration of the .NET Common Language Runtime (CLR) into the SQL Server DBMS enables rich business logic written in modern .NET languages to run close to the data. Database application developers can write business logic as functions, stored procedures, ...

Keywords: abstract data types, extensibility, server programming

7 An Internet-based negotiation server for e-commerce

Stanley Y.W. Su, Chunbo Huang, Joachim Hammer, Yihua Huang, Haifei Li, Liu Wang, Youzhong Liu, Charnyote Pluempitwiriyaewej, Minsoo Lee, Herman Lam
August 2001 The VLDB Journal — The International Journal on Very Large Data Bases, Volume 10 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(355.19 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 181, Citation Count: 7

This paper describes the design and implementation of a replicable, Internet-based negotiation server for conducting bargaining-type negotiations between enterprises involved in e-commerce and e-business. Enterprises can be buyers and sellers of products/services ...

Keywords: Constraint evaluation, Cost- benefit analysis, Database, E-commerce, Negotiation policy and strategy, Negotiation protocol

8 Model-driven design and development of semantic Web service applications



Marco Brambilla, Stefano Ceri, Federico Michele Facca, Irene Celino, Dario Cerizza, Emanuele Della Valle
November ACM Transactions on Internet Technology (TOIT), Volume 8 Issue 1
2007

Publisher: ACM

Full text available: [pdf\(2.17 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 230, Downloads (12 Months): 976, Citation Count: 0

This article proposes a model-driven methodology to design and develop semantic Web service applications and their components, described according to the emerging WSMO standard. In particular, we show that business processes and Web engineering models ...

Keywords: Semantic Web service, WSMO, WebML

9 Preservation functionality in a digital archive



Erik Oltmans, Raymond van Diessen, Hilde van Wijngaarden
June JCDL '04: Proceedings of the 4th ACM/IEEE-CS joint conference on Digital
2004 libraries

Publisher: ACM

Full text available: [pdf\(359.08 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 122, Citation Count: 1

Early 2003 the digital archiving system of the National Library of the Netherlands (KB) was taken into production. This system is called the e-Depot and its technical heart is the IBM system called Digital Information Archiving System (DIAS). The e-Depot ...

Keywords: digital preservation, electronic deposit, permanent access, technical metadata

10 [Communications of the ACM: Volume 51 Issue 8](#)



August issue Volume 51 Issue 8
2008

Publisher: ACM

Full text available: [pdf\(6.85 MB\)](#) [digital edition](#)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

11 [Communications of the ACM: Volume 51 Issue 3](#)



March issue Volume 51 Issue 3
2008

Publisher: ACM

Full text available: [pdf\(7.56 MB\)](#) [digital edition](#)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 98, Downloads (12 Months): 483, Citation Count: 0

12 [Communications of the ACM: Volume 51 Issue 7](#)



July 2008 issue Volume 51 Issue 7

Publisher: ACM

Full text available: [pdf\(6.54 MB\)](#) [digital edition](#)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 102, Downloads (12 Months): 102, Citation Count: 0

13 [Queue: Volume 6 Issue 3](#)



May 2008 issue Volume 6 Issue 3


Publisher: ACM

Full text available: [pdf\(5.56 MB\)](#) [digital edition](#)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation Count: 0

14 Server-centric Web frameworks: An overview

 Iwan Vosloo, Derrick G. Kourie
April 2008 ACM Computing Surveys (CSUR), Volume 40 Issue 2
Publisher: ACM

Full text available:  [pdf\(254.93 KB\)](#)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 904, Downloads (12 Months): 904, Citation Count: 0

Most contemporary Web frameworks may be classified as server-centric. An overview of such Web frameworks is presented. It is based on information gleaned from surveying 80 server-centric Web frameworks, as well as from popular related specifications. ...

Keywords: Architecture, specification techniques, user interfaces, web frameworks

15 Enterprise information integration: successes, challenges and controversies

 Alon Y. Halevy, Naveen Ashish, Dina Bitton, Michael Carey, Denise Draper, Jeff Pollock, Arnon Rosenthal, Vishal Sikha
June 2005 SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data
Publisher: ACM


Full text available:  [pdf\(370.31 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 78, Downloads (12 Months): 531, Citation Count: 12

The goal of EII systems is to provide uniform access to multiple data sources without having to first load them into a data warehouse. Since the late 1990's, several EII products have appeared in the marketplace and significant experience has been accumulated ...

16 Extending document management systems with user-specific active properties

 Paul Dourish, W. Keith Edwards, Anthony LaMarca, John Lamping, Karin Petersen, Michael Salisbury, Douglas B. Terry, James Thornton
April 2000 ACM Transactions on Information Systems (TOIS), Volume 18 Issue 2
Publisher: ACM

Full text available:  [pdf\(166.43 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 309, Citation Count: 31

Document properties are a compelling infrastructure on which to develop document management applications. A property-based approach avoids many of the problems of traditional hierarchical storage mechanisms, reflects document organizations meaningful ...

Keywords: active properties, component software, document management systems, document services, user experience

17 A survey and analysis of Electronic Healthcare Record standards



Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
December 2005 ACM Computing Surveys (CSUR), Volume 37 Issue 4
Publisher: ACM

Full text available: [pdf\(844.11 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 151, Downloads (12 Months): 1383, Citation Count: 1

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

18 A taxonomy of Data Grids for distributed data sharing, management, and processing



Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 ACM Computing Surveys (CSUR), Volume 38 Issue 1
Publisher: ACM

Full text available: [pdf\(1.70 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 177, Downloads (12 Months): 1610, Citation Count: 3

Data Grids have been adopted as the next generation platform by many scientific communities that need to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance ...

Keywords: Grid computing, data-intensive applications, replica management, virtual organizations

19 [WARP: Web Application Rapid Prototyping](#)



Mario Bochicchio, Nicola Fiore

March SAC '04: Proceedings of the 2004 ACM symposium on Applied computing 2004

Publisher: ACM

Full text available: [pdf\(416.10 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 129, Citation Count: 1

This paper describes an environment specifically tailored for the design and the rapid prototyping of Web applications. The environment, named WARP (Web Application Rapid Prototyping), offers a set of online software tools, which assist the designer ...

Keywords: HDM, conceptual design, prototyping web application

20 [Communications of the ACM: Volume 51 Issue 4](#)



April issue Volume 51 Issue 4

2008

Publisher: ACM

Full text available: [pdf\(4.24 MB\)](#) [digital edition](#)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 698, Downloads (12 Months): 1236, Citation Count: 0

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